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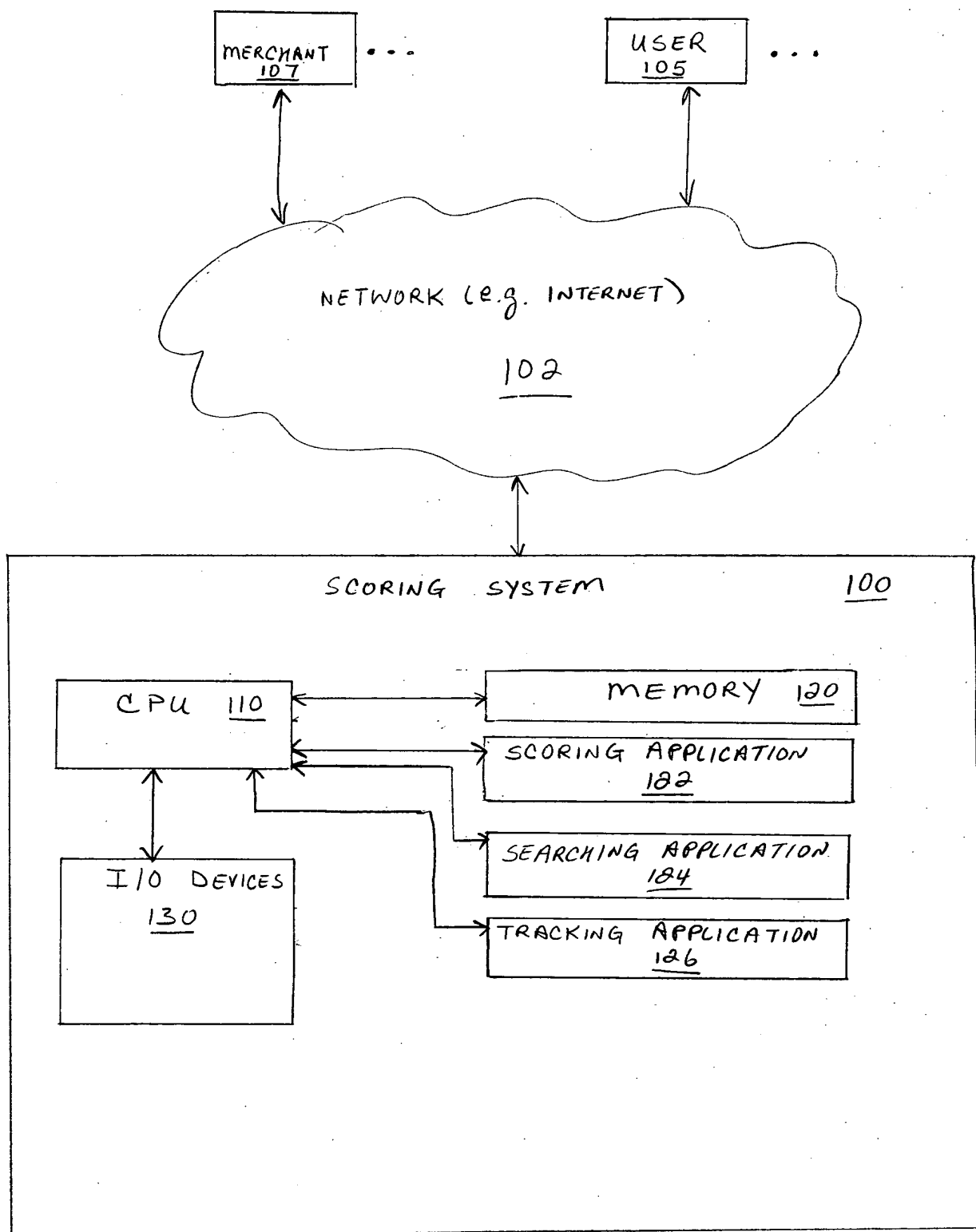


FIG. 1

Figure 2. HotScore's Role in Scoring System
(Given one search term K)

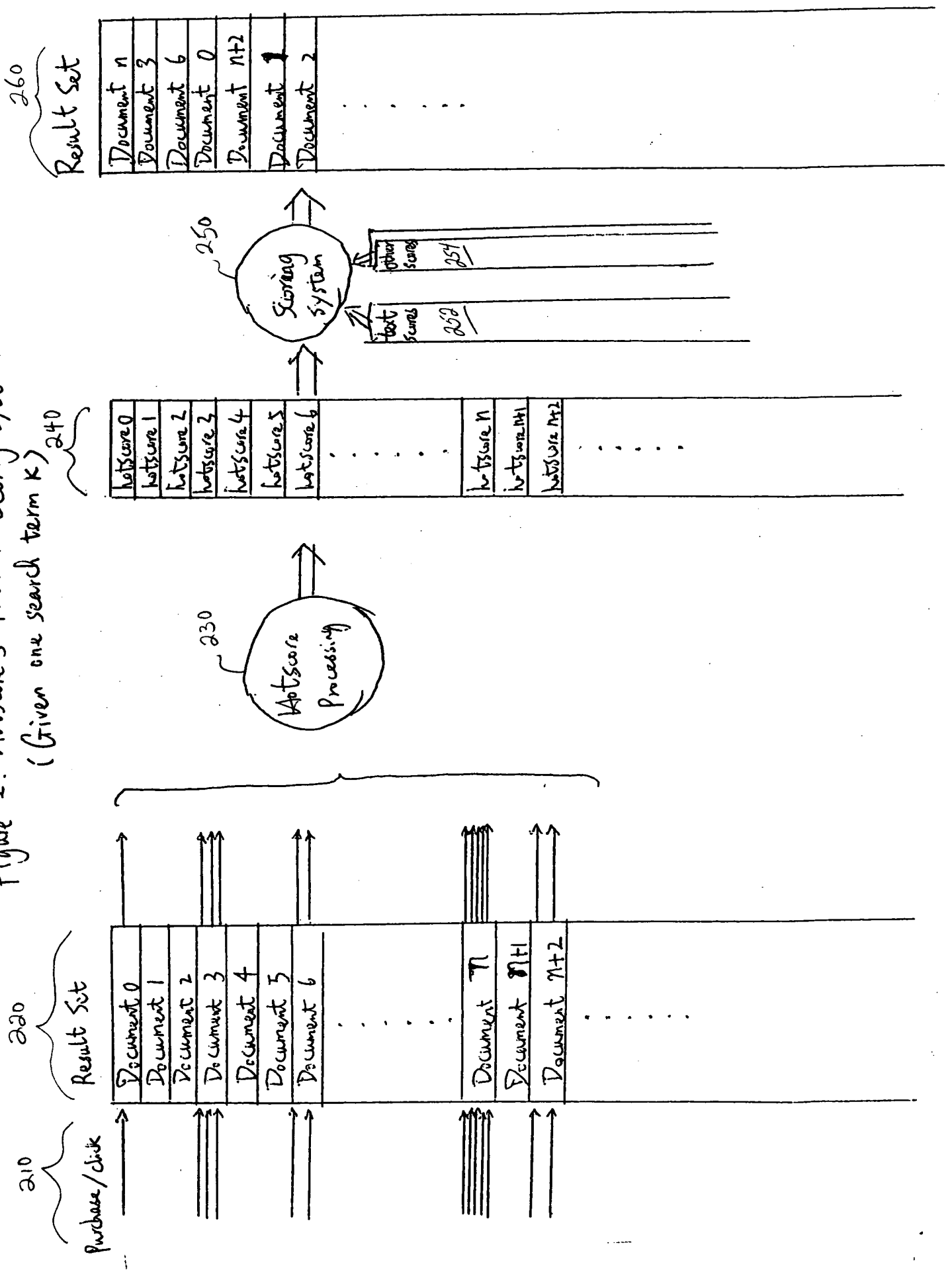


Figure 3. hotscore Generation

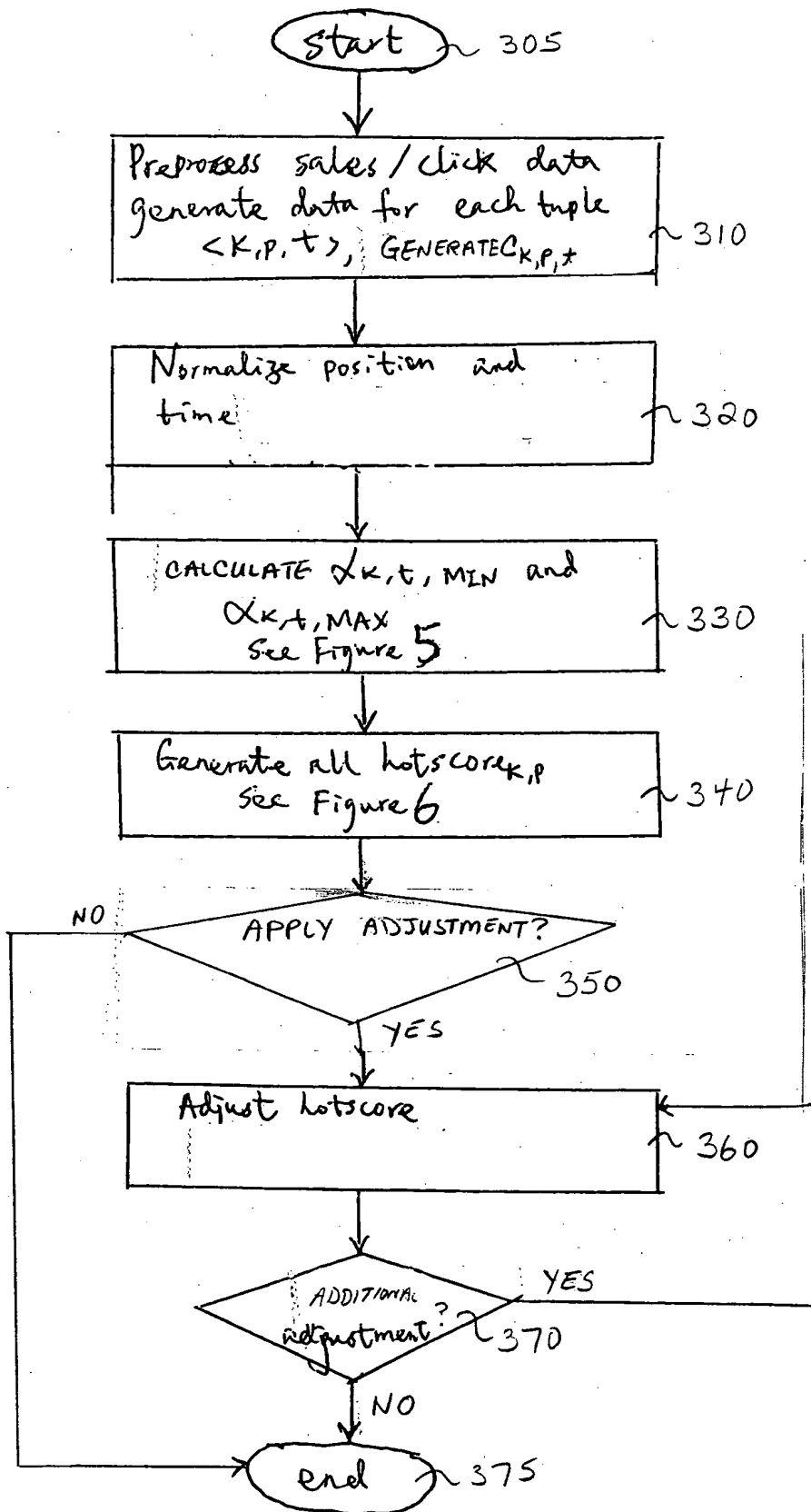


Figure 4 preprocessing

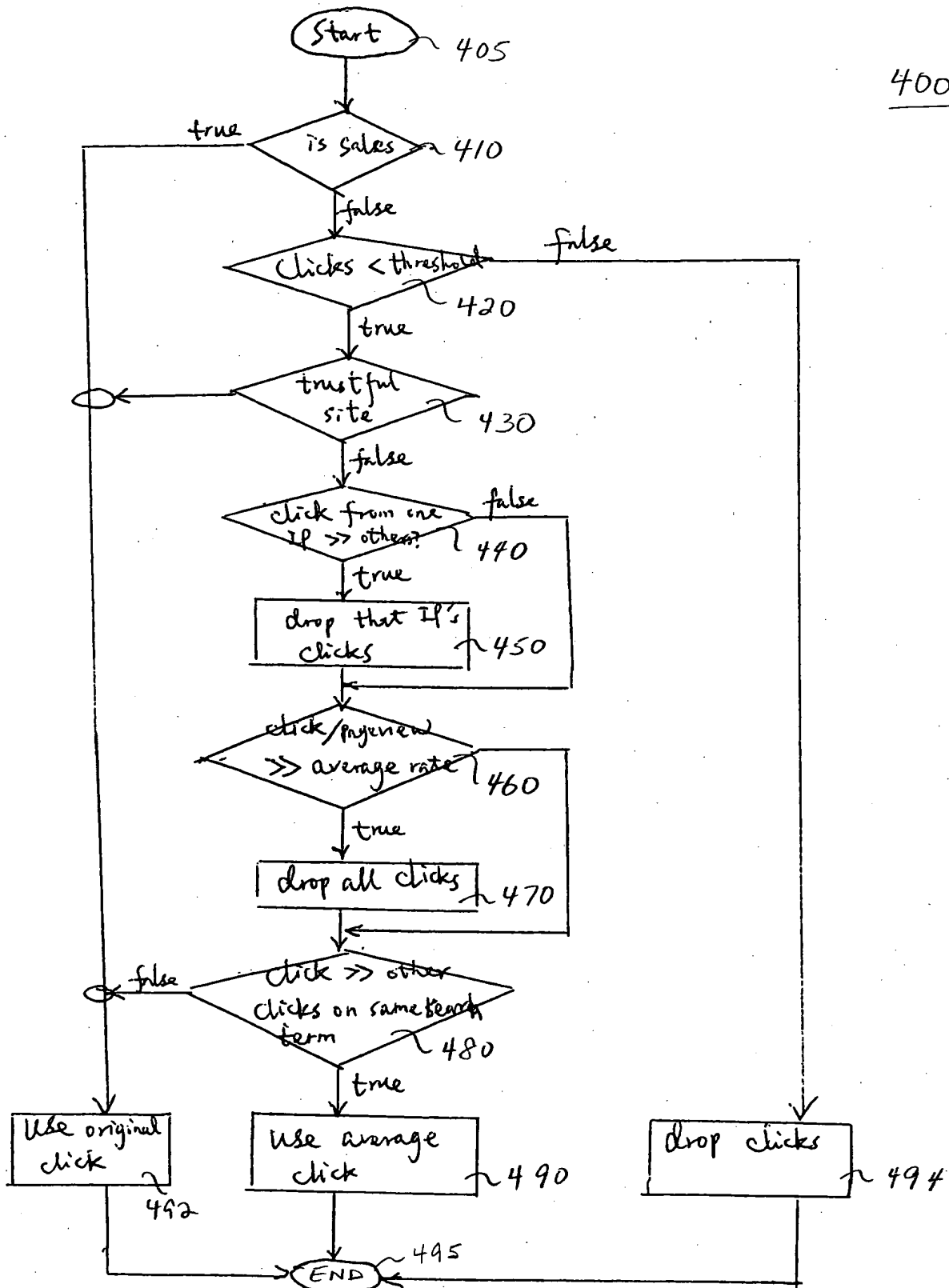


Figure 5. Summarize $\chi_{k,t,\text{MIN}}$ and $\chi_{k,t,\text{MAX}}$

500

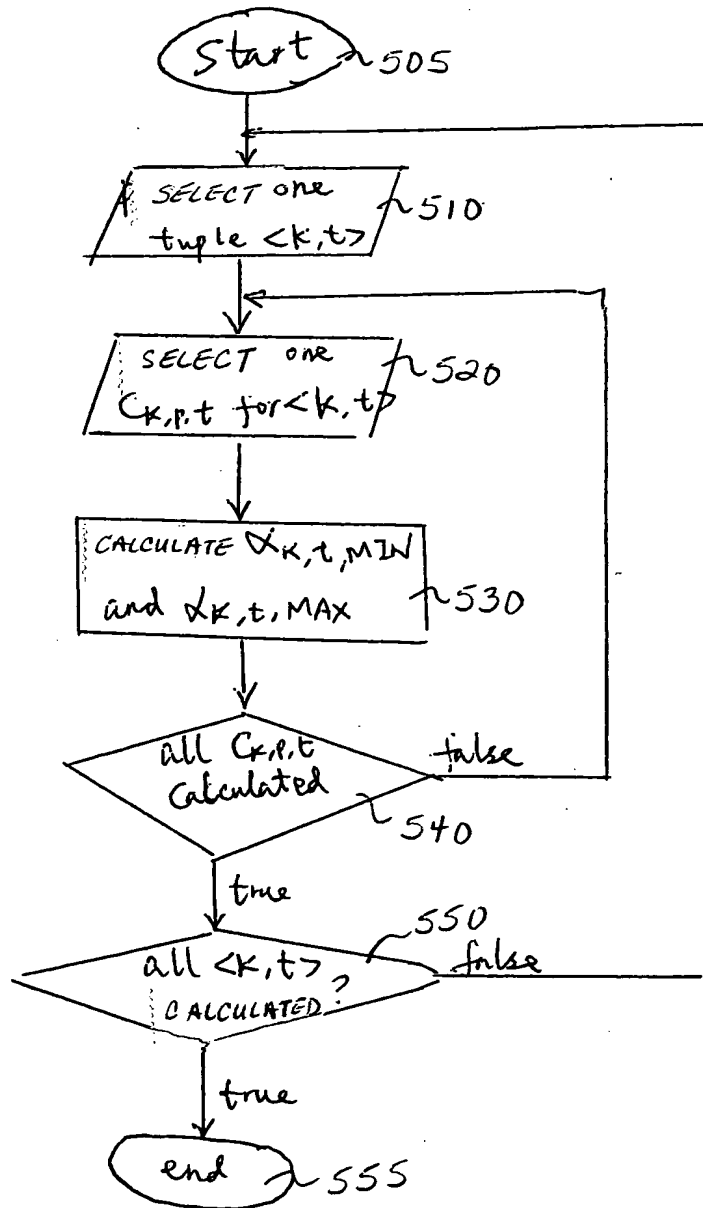


Figure 6 - hotscore's Generation

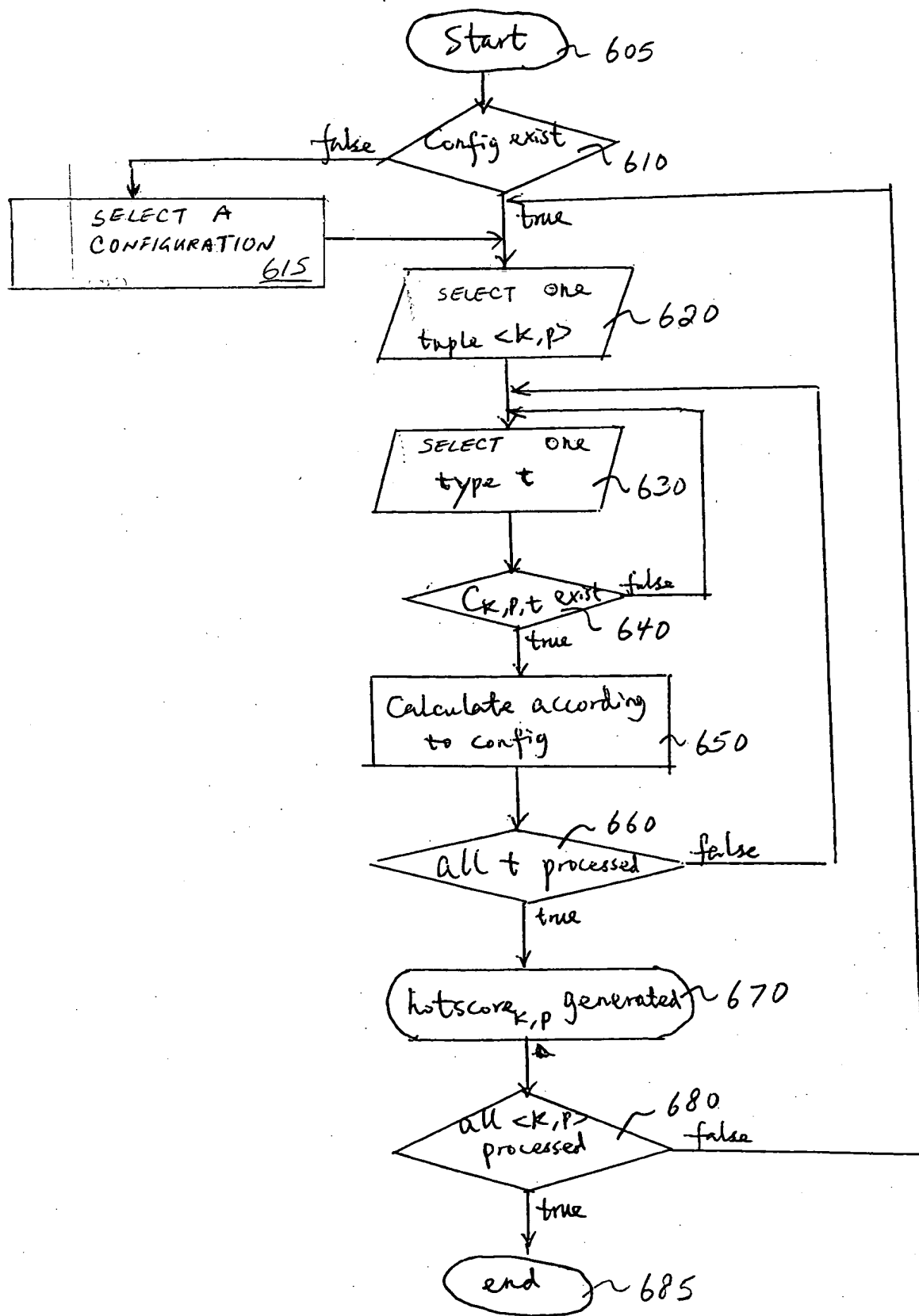


Figure 7. HotScore Adjustment Example 1:

Adjust based on Knowledge

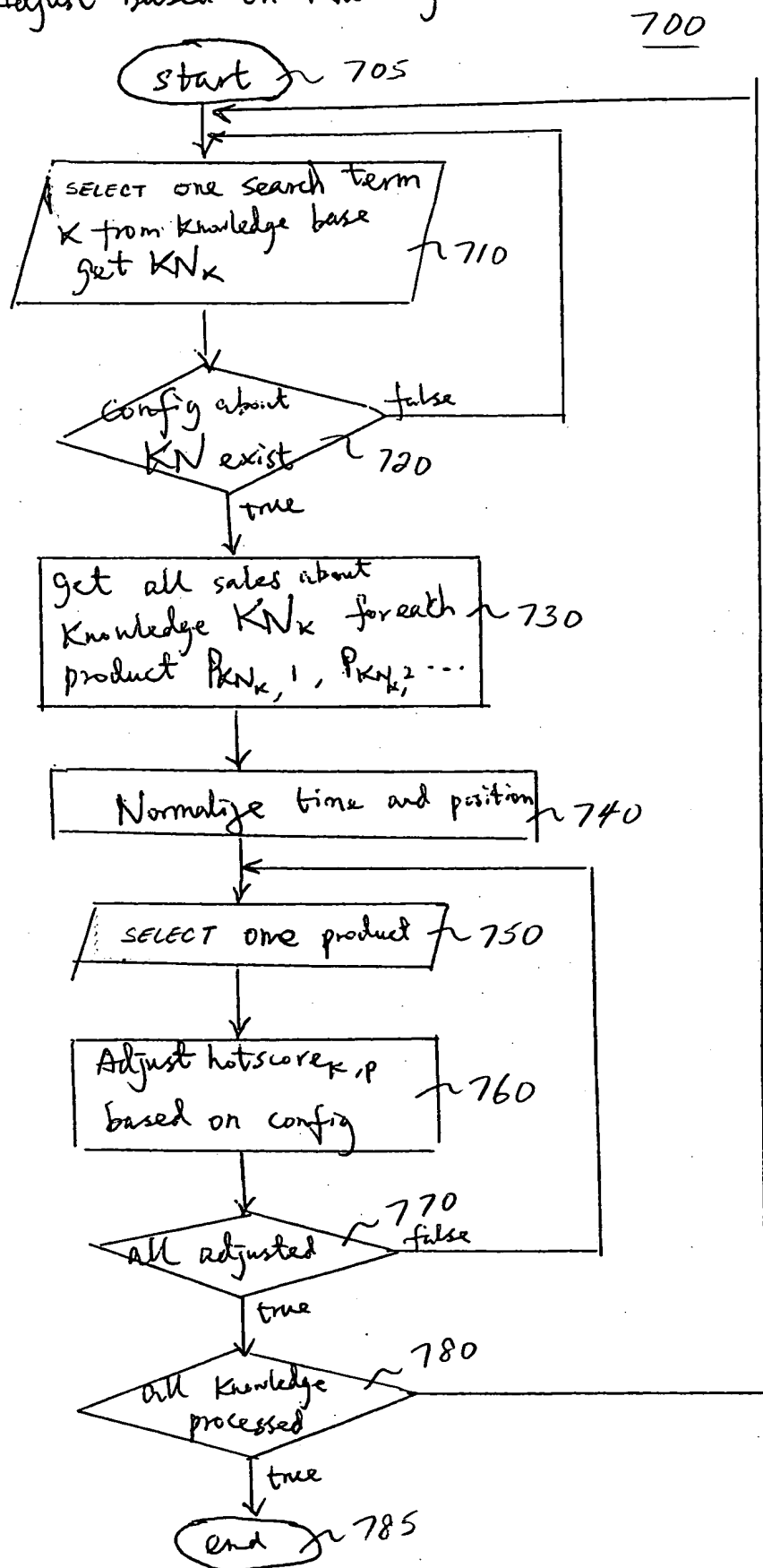


Figure 8. hotscore adjustment example 2:

Adjust based on hotscore of related narrow searches

